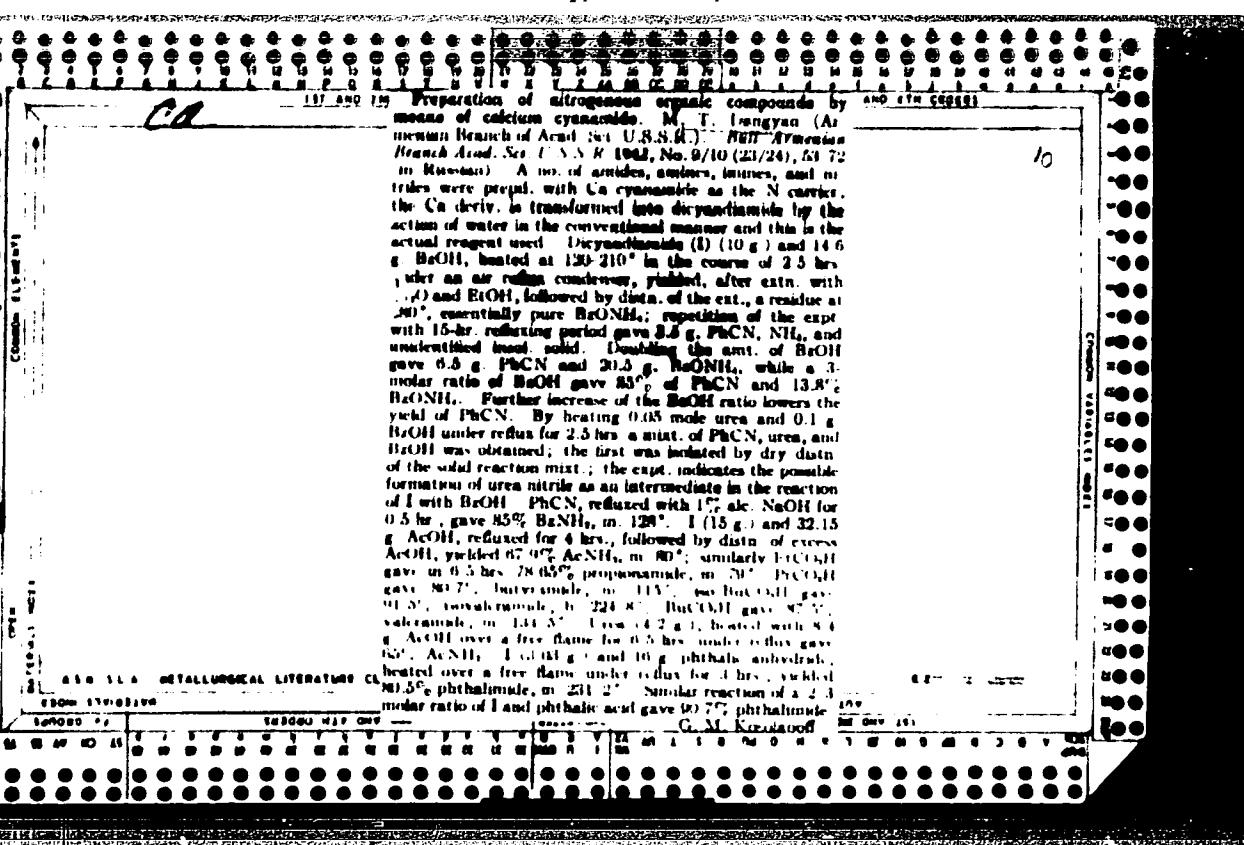


**Reaction of bromine with esters of nitrous acid** M. I. Dangyan and S. A. T. Danielyan. Chem. Ind. Armenia, Acad. Sci. S.S.R., Tbilisi, Armenia, No. 4, 1962, p. 11. (U.S.S.R. 1962, No. 8, 21, 21-26.) In Russia, 10 g. of  $\text{Br}_2$  was treated with cooling with 21 g. of  $\text{NaNO}_2$ , while the melt was warmed to 67° for 20 min. with stirring.  $\text{HBr}$  and  $\text{N}_2$  evolved. In the gaseous  $\text{HBrO}_2$  (0.1 mole, amounts stated). Similar reaction with  $\text{Bu}_3\text{NO}_2$ ,  $\text{Bu}_2\text{NO}_2$ , and  $\text{BuNO}_2$ , while the use of  $\text{AmNO}_2$  gave no  $\text{AmBrO}_2$ . Iso- $\text{Am}$  isobutyrate, b. 181.2° (M. K.), after 9

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**Reaction of dicyanamide with some derivatives of benzoic acid and with 1-naphthoic acid.** M. T. Bangyan, S. A. T. Danielyan and B. A. Akoyan. *Bull Armenian Branch Acad. Sci. USSR* Ser. II, 1943, No. 1, 57-60 (in Russian); 60 (in Armenian). Dicyanamides ( $\text{I} = \text{CH}_3$  and  $\text{II} = \text{C}_6\text{H}_5$ ) were dried over a free base to yield 11.1 g. of the corresponding nitrile, m. 117°. Similarly 2 g. I and 10 g. mixed  $\alpha$ - and  $\beta$ -NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CN gave 43.9% mixed  $\alpha$ - and  $\beta$ -NO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CN, m. 145.6°; 1.2 (3 g.) and 10 g.  $\alpha$ -HOCH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CN gave 4.82 g. PhOH; 1 (2.0 g.) and 11.15 g.  $\rho$ -MeC<sub>6</sub>H<sub>4</sub>CN gave 2 g. toluonitrile; 2.7 g. toluanide, 2.8 g. MeC<sub>6</sub>H<sub>4</sub>COCl and 2 g. of its NH salt. Distil. of I with BaO gave a mixt. of PCN, BaOH, and NH<sub>4</sub>BrO<sub>3</sub>. Anthranilic acid under these conditions yielded PhNH<sub>2</sub> as the only identifiable substance, while BaCl gave 45.45% PhCN and 11.00% BaOH. 1 (1.3 g.) and 8.13 g. 1-naphthoic acid gave a mixt. of naphthalimide and naphthonitrile and (test'd. anal. of former) 4.50 g.; the nitrile m. 138° (from HCl).  $\rho$ -HOCH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CN gave PhOH on distn. with I, while 0.30 g. I and 2.79 g.  $\rho$ -HOCH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CN gave 2.67 g.  $\alpha$ -BrC<sub>6</sub>H<sub>4</sub>CN, m. 52°, and  $\rho$ -BrC<sub>6</sub>H<sub>4</sub>CN gave 78.94%  $\rho$ -BrC<sub>6</sub>H<sub>4</sub>CN. The analogous Cl acids also gave the corresponding nitriles (no yields or other data given).

## CLASSICAL LITERATURE CLASSIFICATION

CIA-RDP86-00513R001109

**Structure of dicyandiamide.** M. I. Tsangyan, *Zhur. Neorg. Khim.* 1944, 1, No. 6, p. 1022 (in Armenian), 22 Jan. 1944. He concludes that dicyandiamide is most correctly represented by  $\text{H}_2\text{NCO-NH-C(=O)NH}_2$ , which exists in tautometric equilibrium with other tautomeric forms. The view is supported by (1) its low toxicity, indicating absence of  $\text{C=O}$  groups; (2) its formation by dimerization of  $\text{CNH}_2$  structures is more plausible than dimerization of a  $\text{C=O}$  structure; (3) greater stability suggests stability more than can be given by the Bamberger formula. The electrolytic reduction readily explained by hydrogenation of  $\text{C=O}$  groups. J. Hughes et al., *J. Am. Chem. Soc.* 66, 1076 (1944); *J. Polym. Sci.* 1, 3, 1953, discusses the structure by study of the crystal.

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The reactions of derivatives of dibouranes of the Ar-NHCNHR<sub>2</sub> type with acids. M. T. Danyan (Chem. Inst. Armenian Acad. Sci. S.S.R.)—**B66.** Armenian Branch Acad. Sci. U.S.S.R. 1944, No. 4, 3-18 (in Russian).

*syn*-Diphenylbourene (12 g.) (I) and 3 g. HCOOH treated at 270° for 16 hrs. yielded 8 g. PhCOH, (31%). The use of 6 g. I and 3.45 g. formic acid in a 2-ml. round-bottomed flask gave 4.73 g. formic acid contaminated with a little PhCOH, (18%) and 4 cc. AcOH gave on heating 4 hrs. as above 73.2% AcNHPh, m. 114°. Similarly, BuCOOH gave 81.4% *pi*-propanoanilide, m. 105°. PrCOOH gave 3.3% butyramide, m. 87.8°. BaCOH gave 70.5% valerenamide, m. 50.61°. BaOH gave 33.4% Br-NHPh, m. 150° (from RCOH). (CH<sub>3</sub>CO)<sub>2</sub>O gave 77.8% succinimide, m. 154°. *o*-C<sub>6</sub>H<sub>4</sub>(COOH)<sub>2</sub> gave 69% phthalimide, m. 204°. The use of *syn*-di-*p*-tolylbourene gave the corresponding toluidines as follows: AcOH, 61%, m. 112°; BuCOOH, 92.20%, m. 87°; PrCOOH, 78.96%, m. 78°; *syn*-Di-*p*-tolylbourene gave the corresponding toluidines as follows: AcOH, 63.55%, m. 147°; RCOOH, m. 121°, 91.48%; PrCOOH, m. 69.70°, 77.57%; BuCOOH, m. 79.73°, 95.6%; BaOH, m. 154°, 90.36%; (CH<sub>3</sub>CO)<sub>2</sub>O, m. 152°, 82.77%; phthalic acid 84.0%, m. 170° (from AcOH). G. M. Kosolapoff

G. M. Kornblatt

## **100-114 METALLURGICAL LITERATURE CLASSIFICATION**

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001109

New method of preparation of the nitrile of valeric acid. M. T. Danyanyan and M. A. Oganyan (Chem. Inst. Acad. Nauk. Armenian S.S.R., Erevan) *Vop. Akad. Nauk. Armenia S.S.R.* 1945, II, No. 2, 41-2 (in Russian).

Dicyandiamide (8.2 g.) and 16 g. valeric acid were mixed and were subjected to slow distn. (5 hrs.) to yield 9 g. valeronitrile, b. 120° (72%). There was also obtained 2 g. of unidentified crystal, m.p.

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001109

New method of preparation of the amide of hexadecanoic acid. M. T. Dangyan and M. A. Oganyan. Chem. Inst. Armenian Acad. Sci., S.S.R., Erevan. Proc. Acad. Armeniae S.S.R. 1945, II, No. 3, 71-2 (in Russian). Hexadecanoic acid (12 g.) and 4.5 g. dicyandiamide were heated to 210-15° for 8 hrs. Distn at 168 mm gave 71% hexadecanamide, m.p. 21° (dihydrate). G. M. Kossovskaya.

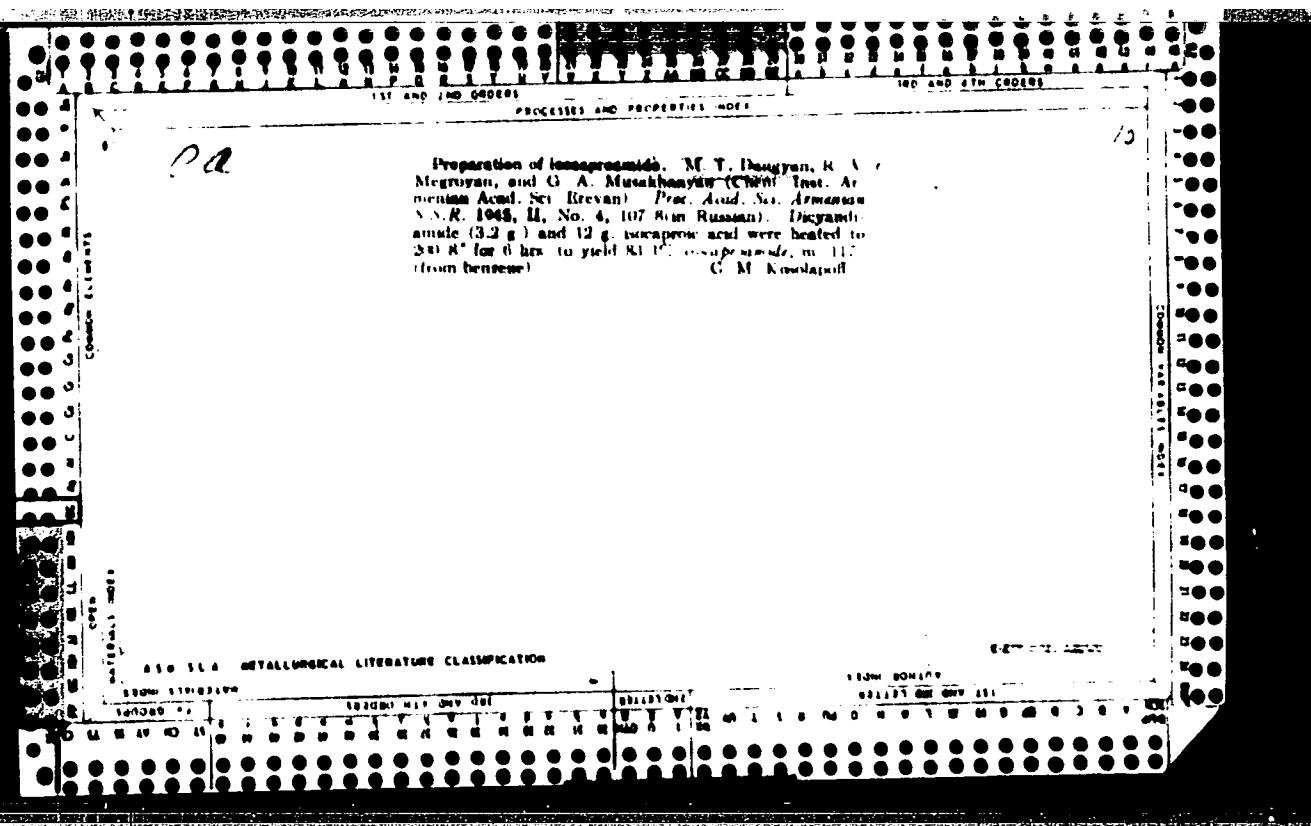
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**APPROVED FOR RELEASE: Wednesday, June 21, 2000** CIA-RDP86-00513R0011090



DANGYAN, M.T.; OGANESEYAN, H.A.

Obtaining heterocyclic compounds containing nitrogen. Part 1.  
Obtaining methylquinoline [in Armenian with summary in Russian].  
Dokl. AN Arm. SSR 6 no. 3:77-79 '47. (MLRA 9:8)  
(Quinoline)

DANGYAN, M.T.; ARAKELYAN, S.V.

Preparation of  $\delta$ -oxy- $\gamma$ -lactones. Part 2 [in Armenian with summary in Russian. Nauch.trudy Erev.un.no.53:3-14 '56. (MIRA 9:10)

1.Kafedra organicheskoy khimii.  
(Lactones)

DANGYAN, M.T.; ZALINYAN, M.G.

Preparation of  $\delta$ -exo- $\gamma$ -lactones. Part 2 [in Armenian with summary in Russian] Nauch.trudy Erev.un.no.5):15-26 '56. (MLRA 9:10)

1.Kafedra organicheskoy khimii.  
(Lactones)

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No. 1, 1957, p. 24

Author: Daragyan, M. M. and Tigranyan, S. S.

Institution: Yerevan University

Title: Reactions of baroguanidine with caproic, lauric, behenic, and  
Azelic Acids

Original

Periodical: Nauk. tr. Erevansk. gos. univ. khim. fakulteta. 1957, No. 1, p. 24  
with a Russian summary.

Abstract: It has been shown that when baroguanidine (I) is heated with caproic (III), isobepatoric (IV), or stearic (V) acid and the reaction products are distilled with  $P_2O_5$  (VI) the corresponding nitriles are formed by the reaction  $RCOOH + C_6H_5N \rightarrow RCN + H_2O + 2CO_2$ . The reaction of I with II and III in xylene (VII) yields the respective triazines:  $RCOOH + C_6H_5N \rightarrow RC(=O)NHCONHC(NH_2)_2 = NH \rightarrow$   
 $RC = N^+ - NH_2 = NOH = N + H^-$ ; 10 gms of IV are heated with 10 gms

Card 1/3

USSR/Organic Chemistry - Synthetic Organic Chemistry, 8-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 173

Abstract: of finely ground I (200-210° for 1.5 hours). The mixture is cooled and distilled after the addition of 4 gms of VI. The fraction distilling at 155-210° is washed twice with aqueous 34 NH<sub>4</sub>OH; the yield of the dinitrile of IV is 75.2%, bp 163-164°/10 mm, n<sub>D</sub><sup>20</sup> = 1.445, d<sub>4</sub><sup>20</sup> = 0.9258. In the second reaction, 20 gms of II are heated with 5 gms of I (200-210° for 1.5 hours); after cooling 4 gms of VI are added to the mixture which is then distilled. The fraction distilling at 150-170° is neutralized with NaOH and the nitrile of II is extracted with ether; the yield is 74.2%, bp 156-160°, n<sub>D</sub><sup>20</sup> = 1.417, d<sub>4</sub><sup>20</sup> = 0.9332. Twenty grams of V are heated with 4 gms of I (230-240° for 1.5 hours). After cooling, 4 gms of VI are added and the mixture distilled; the yield of the nitrile of V is ~6.17% (after washing with water), bp 320°, mp 41°. Ten grams of III are heated with 4.5 gms of I (210-220°, 1.5 hours); the reaction mixture is distilled with 2 gms of VI and the fraction distilling at 165-180° is neutralized with NaOH. The nitrile of III is extracted with ether; the yield is 89.2%, bp 170-172%. Twenty grams of II are heated with 10 gms of I in 40 ml of VII for 2 hours; 2-amino-4-oxy-6-amino-1,2,3-triazine (VIII) is separated by hot filtration; the yield is 66.4%, mp 144-145°. In order

Card 2/3

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 123

Abstract: to verify the structure of VIII the latter was oxidized with  $\text{HNO}_3$ , (the reaction yielded valeric acid). By a similar method 4-isohexyl-4-oxy-6-amino-1,2,3-triazine was produced from 16 gms of VII and 7 gms of I in 40 ml of VII; the yield was 53.33% mp 24°C.

Card 3/3

*YA*  
DURGARYAN, A.A.; DANGYAN, M.T.

Condensation of 1,3-dichlorobutene-2 with aromatic hydrocarbons in  
presence of zinc chloride [in Armenian with summary in Russian].  
Nauch.trudy Brev.um.no.53:33-44 '56. (MLRA 9:10)  
(Butene) (Condensation products (Chemistry))

ZALINYAN, M.G.; DANGYAN, M.T.

Preparation of  $\gamma$ -chloroacryloylsuccinic acid and its derivatives.  
Report No.1.[in Armenian with summary in Russian]. Nauch. trudy  
Brev. um. 60:3-8 '57. (MIRA 11:8)

1.Kafedra organicheskoy khimii Yerevanskogo gosudarstvennogo  
universiteta.  
(Succinic acid)

ZALINYAN, M.G.; DANGYAN, M.T.

Preparation of  $\delta$ -oxy-  $\beta$ -lactones. Report No.3 [in Armenian with summary in Russian]. Nauch. trudy Erev. un. 60:9-16 '57.  
(MIRA 11:8)

1.Kafedra organicheskoy khimii Yerevanskogo gosudarstvennogo  
universiteta.  
(Lactones)

ARAKELYAN, S.V.; DANGYAN, M.T.

Preparation of  $\delta$ -oxy- $\gamma$ -lactones. Report No.3 [in Armenian  
with summary in Russian]. Nauch. trudy Erev. un. 60:17-21 '57.  
(MIRA 11:8)

1. Kafedra organicheskoy khimii Yerevanskogo gosudarstvennogo  
universiteta.  
(Lactones)

ARAKELYAN, S.V.; DANGYAN, M.T.

Preparation of  $\alpha$ -allyl-  $\beta$ -(4-alkoxyphenyl) propionic acids.  
Report No.1 [in Armenian with summary in Russian]. Nauch. trudy  
(MIRA 11:8)  
Brev. un. 60:23-31 '57.

1.Kafedra organicheskoy khimii Yerevanskogo gosudarstvennogo  
universiteta.  
(Propionic acid)

MESROPYAN, E.G.; DANGYAN, M.T.

Preparation of  $\alpha$ -butyl-  $\beta$ -acetylpropionic acid [in Armenian  
with summary in Russian]. Nauch. trudy Erev. un. 60:33-39 '57.  
(MIRA 11:8)

1. Kafedra organicheskoy khimii Yerevanskogo gosudarstvennogo  
universiteta. (Lavulinic acid)

DURGARYAN, A.A.; DANGYAN, M.T.

"Non-normal" products obtained by the reaction of 1,3-dichlore-2-butene with  $\alpha$ -,  $\beta$ - and  $\rho$ -tetyl magnesium bromides and benzylmagnesium chlereide [in Armenian with summary in Russian]. Nauch. trudy Erev. un. 60:41-57 '57. (MIRA 11:8)

1.Kafedra organicheskoy khimii Yerevanskogo gosudarstvennogo universiteta.  
(Butene) (Grignard reagents)

S/171/60/013/001/005/005  
E142/E467

AUTHORS Dangyan, M.T. and Arakelyan, S.V.

TITLE The Preparation of Some New Unsaturated Esters

PERIODICAL Izvestiya Akademii nauk Armyanskoy SSR. Khimicheskiye nauki, 1960, Vol.13 No 1 pp 51-53

TEXT In previous communications the authors have shown that  $\gamma,\delta$ -unsaturated acids react with hydrogen peroxide in a medium of formic or acetic acid and form the corresponding 1-substituted  $\delta$ -hydroxy- $\gamma$ -valerolactones (Ref.1). 1-Substituted  $\delta$ -oxo- $\gamma$ -caprolactones are formed in an analogous manner by oxidizing  $\gamma,\delta$ -unsaturated acids which contain a Cl-atom in the  $\delta$  position. The method has now been extended to the oxidation of alkoxybenzyl-2-bromallyl acetic acids. The synthesis of these substances - especially of the diethyl esters of substituted malonic acids is of importance during the preparation of barbiturates containing p-alkoxybenzyl and 2-bromallyl groups (Ref.3). The diethyl esters of p-alkoxybenzyl-2-bromallyl malonic acid were synthesized in satisfactory yields by reacting the sodium salts of the diethyl esters of p-alkoxybenzyl malonic acid with 2,3-dibromopropene in a

Card 1/2

S/171/60/013/001/005/005  
E142/E465

The Preparation of Some New Unsaturated Esters

benzene medium. By this method 6 hitherto undescribed esters were synthesized. There are 1 table and 3 Soviet references.

ASSOCIATION Yerevanskij gosudarstvenny universitet  
Kafedra organicheskoy khimii (Yerevan State University)  
Department for Organic Chemistry)

SUBMITTED October 21, 1959

Card 2/2

DANGYAN, M. T.; MESROPYAN, E. G.

Synthesis of  $\alpha$ -alkyl- $\beta$ -acetylpropionic acids via hydrolysis with sulfuric acid. Izv. AN Arm. SSR Khim. nauki 1960.2(3):173-176 '60.  
(MIRA 13:10)

1. Yerevanskiy gosudarstvennyy universitet, Kafedra organicheskoy  
khimii.  
(Propionic acid) (Malonic acid)

DANGYAN, M.T.; SHAKHEAZARYAN, G.M.

Synthesis of alkyl- $\beta$ -chloroallylacetatic acids. Izv. AN Arm. SSR.  
Khim. nauki 13 no.4:259-262 '60. (MIRA 13:12)

1. Yerevanskiy gosudarstvennyy universitet, Kafedra organicheskoy  
khimii.  
(Pentenoic acid)

DANGYAN, M.T.; SHAKHNAZARYAN, G.M.

Synthesis of  $\gamma$ -carboxybutyrolactones. Part 1: Oxidation of  $\alpha$ -substituted  $\gamma$ -chlorallylactic acids by hydrogen peroxide in acetic anhydride. Zhur.ob.khim. 31 no.5:1643-1647 My '61. (MIRA 14:5)

1. Yerevanskiy gosudarstvennyy universitet.  
(Butyrolactone) (Acetic acid)

DANGYL, I.T.; SHARHNAZARYAN, G.I.; AMBARTSULYAN, E.N.

Production of some new unsaturated acids. Dokl. AN Arm.  
SSR 33 no.2:53-56 '61. (MIRA 14:10)

1. Yerevanskiy gosudarstvennyy universitet. Predstavleno  
akademikom AN Armyanskoy SSR A.i. Mndzhoyanom.  
(Acids, Organic)

DANGYAN, M.T.; SHAKHNAZARYAN, G.M.; MARKARYAN, G.A.

Preparation of  $\alpha$ -alkoxyalkyl- $\gamma$ -ch. or ~~oallyl~~ acetic acids.  
Izv. AN Arm.SSR. Khim.nauki 14 no.5:491-494 '61. (MIRA 15:1)

1. Yerevanskiy gosudarstvennyy universitet, kafedra organicheskoy khimii.  
(Acetic acid)

DANGYAN, M.T.; MESROPYAN, E.G.

Synthesis of some new barbiturates and thiobarbiturates.  
Izv. AN Arm.SSR. Khim.nauki 14 no.5:487-489 '61. (MIRA 15:1)

1. Yerevanskiy gosudarstvennyy universitet, kafedra organicheskoy  
khimii.

(Barbituric acid)

DANGYAN, M.T.; AKHNAZARYAN, A.A.; KAZARYAN, S.A.

Synthesis of some new barbiturates and thiobarbiturates.  
Report No.1: Production of 5-alkyl (aryl)-5-( $\delta$ -methoxymethyl- $\gamma$ -chlorocrotyl)-barbituric and thiobarbituric acids. Izv.AN Arm.  
SSR.Khim.nauki 14 no.1:63-65 '61. (MIRA 15:5)

1. Yerevanskiy gosudarstvennyy universitet, kafedra organicheskoy  
khimii.  
(Barbituric acid)

DANIKYAN, H.T.; SHAKHNAZAROV, G.Y.

Interaction of substituted alkyl acetoxybutyrate esters with  
dicyanodiamide. Zhur. obshch. khim., 32, no. 2, 483-487, Jl '62.  
(MIRA 15.7)  
In: Yerevanskii gosudarstvennyy universitet.  
(Butyrolactone) (Quantitativ)

DANGYAN, M.T.; MESROPYAN, E.G.

Preparation of 4-alkoxybenzyl- $\beta$ -chloroallylacetic acids. Izv.AN  
Arm.SSR.Khim.nauki 15 no.1:73-76 '62. (MIRA 15:7)

1. Yerevanskiy gosudarstvenny universitet, Kafedra organicheskoy  
khimii.  
(Acetic acid)

ARAKELYAN, S.V.; DANGYAN, M.T.; AVETISYAN, A.A.

Reaction of allylalkylacetic acids with mercury acetate.  
Izv.AN Arm.SSR.Khim.nauki 15 no.5:435-438 '62. (MIRA 16:2)

1. Yerevanskiy gosudarstvennyy universitet, kafedra organicheskoy  
khimii.

(Acetic acid)  
(Mercury acetates)

ARAKELYAN, S.V.; DANGYAN, M.T.; ZALINYAN, M.G.; SARKISYAN, S.A.

Preparation of  $\delta$ -alkoxy-(ar oxy-, phthalimido)- $\gamma$ -lactones.  
Izv. AN Arm.SSR. Khim.nauki 15 no.5:439-442 '62. (MIRA 16:2)

1. Yerevanskiy gosudarstvennyy universitet, kafedra  
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(Lactones)

DANIGYAN, M. T.; ZALINIAN, R. I.; AGBABYAN, S. V.

Preparation of  $\gamma$ - $\beta$ -ethylenic ethyl esters of some substituted  
 $\alpha$ - and  $\beta$ -methylacrylic acids. Izv. AN Arm. SSR. Nauk. tanki 19  
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1. Yerevanskii p. sudostvarennyi universitet, nauchno-organiza-  
tionskiy sim'ii.

MESHOPYAN, E.G.; DANGYAN, M.T.; KALTAKHODZHYAN, E. I.

Oxidation of alkoxyethyl- $\gamma$ -endoperoxides by hydrogen peroxide in an acetic acid medium. Izv AN Arm. SSR. Khim. nauki 16 n. 11:77-80 163 (VINITI 1788)

Synthesis of some new barbituric acid derivatives. 6. Is.  
Ibid. 17:9-72

I. V. Fereverskiy i Srednevostochnyy universitet. Uchenye organi cheskoy khimi.

ARMENIAN, L. G.; AGOYAN, L. G.; DAVYAN, M. T.

Synthesis of *t*-substituted 3-chromomercury *t*-valerolactones.  
IZV, AN Arm. SSSR, Nauki 17 no. 2:173-176 (1964. "MIKA 17:1")

I. V. Ter-Petrosyan, Iosif Arutyunyan, Tateira organic esay  
X: limit.

AKHNAZARYAN, V. A., AND V. V. KARAPETYAN

*Synthesis and characterization of a new class of 4-*N*-methyl-3-hydroxy-2-alkyl-5-oxo-1*H*-imidazoles.*

$$\frac{1}{2} \int_0^T \|V_{t+\tau}\|_{L^\infty(\Omega)}^2 d\tau \leq C \int_0^T \|u_t\|_{L^2(\Omega)}^2 d\tau.$$

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AKHIEZER, S. A.; BURIN, V. M.; KARLINSKAYA, N. M. Moscow, U.S.S.R.

Reaction of  $\alpha,\beta$ -unsaturated carboxylic acids with  $\gamma$ -butyrolactone. - $\gamma$ -Decene-1,6-dicarboxylic acid. All-Armenian Scientific Conference No. 6: 454-459 '64.

Synthesis and transformation of  $\alpha,\beta$ -unsaturated carboxylic acids. I: Preparation of  $\alpha,\beta$ -butyrolactone- $\gamma$ -butyrolactone. - $\gamma$ -Butyrolactone- $\gamma$ -butyrolactone- $\gamma$ -butyrolactone. Vestn. Akad. Nauk SSSR, No. 6: 1-6 (1964) (MIRA 18:6)

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AKHNAZARYAN, A.A., KAZARYAN, S.A.; SHAKRANAKAZARYAN, L.M. - JIAN, M.L.

Synthesis and transformations of diethyl esters of substituted  
S-methoxymethyl- $\alpha$ -chiric acid malonate addds. Zhur. st. khim.  
34 no.11:3561-3565 N '64 (MIRA 1F 1)

ZALINTAN, M.G.; DANGYAN, M.T.

Preparation of some alkoxyethyl-  $\gamma$  - chlorocrotylactic  
acids. Iss. AN Arm. SSR. Khim. nauki 18 no. 3-281 '65.  
(MIRA 18-11)

1. Yerevanskiy gosudarstvennyy universitet, kafedra  
organicheskoy khimii. Submitted May 15, 1965.

DANHA, J.

"Utilizing Experiences Derived from the Forest Husbandry in Sovi<sup>t</sup> Kolkhozes." p. 1100  
(ZA SOCIALISTICKÉ ZEMĚDĚLSTVÍ, Vol. 3, No. 10, Oct. 1953) Praha, Czechoslovakia

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April 1954. Unclassified.

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**CIA-RDP86-00513R001109**

DANIELA, J.

"Our contribution to forestry! p. 210

VESTNIK. Praha, Czechoslovakia, Vol. 6, No. 4, 1950

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Danhel, J.

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Source: FEAL LC Vol. 5, No. 1 Oct. 1962

DANHELK A J.

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socialist. Veda a Techn. (Soc. Sci. Tech., Czech), 1955, Vol. 5, (10), 145-148.  
title in Ref. Zn. Khim. (Ref. J. Chem., Moscow), 1956, (16), 59164.

Zanhelka, J.

Entering the new five-Year Plan. p.l. :MlVA. (Ministerstvo  
paliv a energetiky) Praha. Vol. V, no. 1, Jan. 1959.

SOURCE: RIAA - LC Vol. 5 No. 1 Oct. 1960

DANHELKA, Jaroslav, mernok (Csehslovak Koztarsasag)

Development of gas production in Czechoslovakia and the industrial  
use of gas. Ipari energia 1 no.1/4:73-75 Jl-0 '60.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

SECRET//NOFORN

CONFIDENTIALITY OF THE INFORMATION CONTAINED HEREIN IS  
HEREBY AGREED TO BY THE SIGNATORIES.

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

DRECHSLER, B.; VACEK, J.; DANHELOVA, V.; LOMICEK, M.

Electrophysiological study of direct and reflex excitability  
of spinal cord motor neurons in idiopathic scoliosis. Cesk.  
neurol. 27 no.4:233-237 Jl '64

1. Neurologicka klinika (prednosta: akademik prof. K.Henner);  
klinika pro ortopedii a detskoy chirurgii (prednosta prof. dr.  
M.Jaros) fakulty vseobecneho lekarstvi KU [Karlov University]  
v Praze.

DANI, Ernest

*DOB / 1870*

no academic degree or affiliation indicated

Cluj (Rumania)

Berlin, Mathematische Nachrichten, vol 24, No 6, 1902, pp 331-348.

"On the Rational Diophantine Solution of Equations Which Are Linear in Certain Cyclical Determinants"

DANI, Gabor

Development of a modern miniature circuit breaker (small automatic) series. Villamossag" 8 no.8/9:225-235 Ag-S '60.

1. Erosaramu Gyartmanyfejlesztesi Intezet osztalyvezetoje.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

ROKA, Fal; MOLDESI, Erno (Gyor); PIRI GEP, Laszlo; NY, Dezso  
'Gyor); BALATZ, Jozsef (Debrecen); TOTH, Istvan Szekesfehervar;  
DANI, Janos (Szeged); HODORH, Istvan; MI, M. Gabor, dr.;  
LAZAR, Laszlo; BAKOS, Karoly, fomernok (Budapest); FABIAN,  
Laszlo, nyugdijas mernok; CSEP, Jozsef

Report on the Executive Committee session of the Scientific Association of the Wood Industry in Gyor. Falmar 14 no.6:  
161-163 Je '64.

1. President, Scientific Association of the Wood Industry (for Roka).
2. Deputy Head, Wood industry Research Institute (for Dalocsa).
3. Head, Committee on Education, Scientific Association of the Wood Industry (for Lazar).

DANIAKHIN, M.A., prof. (Saratov)

Progressive fetal movement in the first stage of labor. Akush.i  
gin. no.5:48-51 '61. (MIRA 15:1)  
(LABOR (OBSTETRICS))

DANIAKHTY, M. A.

"Modern Surgical Treatment of Cancer of the Cervix Uteri," Sov. Med., No.6,  
1949

Obst-Gynecol. Clinic, Saratov Med. Inst.

DAN'YAKHIY, M.A.

[Errors and risks in a gynecological operation] Oshibki i opasnosti pri  
ginekologicheskikh operatsiiakh. Moskva, Medgiz, 1951. 144 p.  
(Materia medico-surgical)  
(Genitourinary organs--Surgery)

DANIAKHIY, M.A.

Pathogenesis of intracranial hemorrhages in newborn infants.  
Pediatrics no.6:25-30 N-D '53. (MIRA 711)  
(Infants (Newborn)--Diseases) (Brain--hemorrhage)

DANIAKHIY, M.A., prof.; PAVKINA, A.G.; SUMOVSKAYA, A.Ye.; MOLOTKOVA, V.V.;  
ILOVAYSKAYA, K.S.

Cytological picture of vaginal secretion in normal and pathological  
pregnancy. Akush. i g.in. 34 no.6:23-26 N-D '58. (MIRA 12:1)

1. Iz akushersko-ginekologicheskoy kliniki Saratovskogo meitsinskogo  
instituta.

(PREGNANCY, physiol.

vaginal secretion, cytol. (Rus))

(VAGINA, physiol.

secretion in pregn., cytol. (Rus))

DANIAKHIY, M.A., prof. (Saratov)

Lowering disease incidence and mortality of newborn infants in  
maternity homes. Vop.ohk.mat.i det. 7 no.8:58-63 Ag '62.  
(MIRA 15:9)

(INFANTS (NEWBORN)--DISEASES)

DANIANOV, TS.

"Fulfillment of the Afforestation Plan During the Autumn of 1952." p.79  
(GORSKO STOPANSTVO Vol. 9, no. 2, Feb. 1953 Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9,  
Oct. 1953, Uncl.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

LUKIC, Djordje, doc. dr.; DAMIC, Milovan, dr.

Diagnosia, therapy and prognosis of intraocular tumors; statistics  
for the period of 1939-1952. Srpski arh. celok lek. 82 no.9:1096-  
1108 Sept 54.

1.Klinika za ocne bolesti Medicinskog fakulteta u Beogradu,  
upravnik prof. dr. Djordje Nesic.  
(~~SYM~~, neoplaems  
diag., ther. & progn.)

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

SURNAME (In caps); Given Name(s)

Country: Yugoslavia

Academic Degrees:

Affiliation:

Source: Belgrade, Vesima, No 4, 1960, pp 94-101.

Date: "Total Solar Eclipse on February 15, 1961."

Authors:

DANIC, R., DR.

JANKOVIC, N.

SIMOVLJEVIC, J. I.

DJURKOVIC, Pero M.

DANIC, Radovan  
Surname (in caps); Given Name

Country: Yugoslavia

Academic Degrees: Dr.

Affiliation: President of the Astronomical Society "Rudjer Boskovic"  
(Predsednik astronomskog drustva "Rudjer Boskovic")

Source: Belgrade, Vasione, No 1, 1961, p. 10.

Data: "Total Solar Eclipse as Observed in the Town of Valjevo."

COSTACHEL, O.; ZINCA, Victoria; STRIMBEANU, I.; DANICEL, M.

The interaction of sarcosine and alpha-tocopherol on the endocrine glands and hormone-responsive tissues of male rats. Stud. cercet. endocr. 13 no.5:693-65 '62.

(ENDOCRINE GLANDS) (KIDNEY) (LIVER) (GENITALIA, MALE)  
(MELPHALAN) (VITAMIN D)

COSTACHEL, O.; DANICEL, M.; ZINCA, V.; STRIMBLANU, I.

The influence of sarcolysine on the endocrine glands and on hormone-sensitive tissues in the male rat. Stud. cercet. endocr. 13 no.6: 747-751 '62.

(ENDOCRINE GLANDS) (MELPHALAN) (KIDNEY) (LIVER)  
(PROSTATE) (SEMINAL VESICLES)

BOBRINSKAYA, O.G.; BOBRINSKIY, V.M.; BUKATCHUK, P.D.; DANICH, M.M.; KAPTSAN, V.Kh.; NEGADAYEV-NIKONOV, K.N.; POPOVA, T.V.; ROSHKA, V.Kh.; SAFAROV, E.I.; SOBETSKIY, V.A.; EDEL'SHTEYN, A.Ya.; BURGELYA, N.K., red.; DRUMYA, A.V., red.; KUZNETSOVA, E., red.

[Stratigraphy of sedimentary formations in Moldavia] Stratigrafiia osadochnykh obrazovanii Moldavii. Kishinev, Kartia moldoveniaske, 1964. 129 p. (MIFIA 19:1)

1. Otdel paleontologii i stratigrafii AN Moldavskoy SSR (for Bobrinskaya, Danich, Negadayev-Nikonov, Popova, Roshka, Sobetskiy). 2. Institut geologii i poleznykh iskopayemykh, gorod Kishinev (for Bobrinskiy, Edel'shteyn). 3. Upravleniye geologii i okhrany nedr pri Sovete Ministrov Moldavskoy SSR (for Bukatchuk, Kaptan, Safarov).

L 29243-66 ENT(d)/FSS-2

ACC NR: AP6019341

SOURCE CODE: UR/0106/65/000/012/0034/0041

24  
B

AUTHOR: Vol'pyan, V. G.; Danich, Yu. S.

ORG: none

TITLE: Analysis and calculation of selection systems with a smoothly varying passband and a constant phase-frequency characteristic

SOURCE: Elektrosvyaz', no. 12, 1965, 34-41

TOPIC TAGS: frequency selection, electronics

ABSTRACT: Earlier papers (see e.g., V. G. Vol'pyan, A. M. Shloma, Elektrosvyaz' [Electrical Communications], no. 6, 1964) studied the synthesis of selection systems with controllable passbands. The present article analyzes the possible frequency-amplitude and phase-frequency characteristics of section systems representing systems with nonminimal phase. The general theoretical presentation of relationships obtained during the synthesis of the selection systems is followed by analysis of the various characteristics. The authors estimate the possible instability of the phase-frequency characteristics during a smooth control of the passband. A general method for the calculation of the above mentioned system is also given. Orig. art. has: 8 figures and 10 formulas. [JPRS]

SUB CODE: 09 / SUBM DATE: 02Dec64 / ORIG REF: 003

UDC: 621.372.541.001.24

cont 1/1 re

PEREVYAZKO, A.T.; CHUYKO, N.M., Prinimali uchastiye: FRANTSOV, V.P.;  
DANICHEK, R.Ye.; KARPOV, N.A.; VOROB'YEVA, T.M.; VOLOVICH, Yu.G.;  
SUN CHEN GUAN

Effect of the technology of smelting, vacuum treatment, and pouring  
of chromium-aluminum steel on the presence of spotty segregation.  
Izv.vys.ucheb.zav.; chern.met. 4 no.6:42-52 '61. (MIRA 14:6)

1. Dnepropetrovskiy metallurgicheskiy institut.  
(Steel-aluminum alloys—Metallography)  
(Vacuum metallurgy)

S 133/62/000/X-1063/004  
A 100-A12'

AUTH. R.D.: Chuyko, N.M., Doctor of Technical Sciences, Butkovskiy, V.B., Doc-  
tor, K.Ye., Perevyazko, A.T., Borodulin, G.M., Tregubenko, A.F.,  
Sharil', Yu.P., Frantsov, V.P., Volovich, V.G., - Engineers

TITLE: Blowing inert gases through the metal in the ladle under vacuum

PUBLICATION: "Stal", no. 9, 1962, 809 - 811

TEXT: Vacuum treatment of liquid steel promotes the removal of gases and  
reduces the amount of nonmetallic inclusions. Tests were carried out (in coop-  
eration with I.M. Ioffe, M.I. Lavrent'ev, G.P. Parkhomenko, V.I. Deridetov,  
Ye.M. Kyslin, and T.M. Vorob'yeva, Engineers) to determine the optimum methods of  
blowing inert gases through the liquid metal in the ladle in combination with  
the vacuum treatment. The method established does not require special refrac-  
tory materials, the apparatus used (designed by N.M. Chuyko, professor and Ye.I.  
Lavreyev, Engineer) is of a simple design and metal losses through the spout can  
be prevented. The argon feed can be controlled very closely by means of 3 rota-  
tary meters [PC-7 (RS-7) type], having 30 standard m<sup>3</sup>/h capacity and supplied with

Card 1/3

S-13072, 1974, 100-100  
AC50-A12'

blowing direct gases through the metal in ....

medium silicon. The test steel (X15 (CrNi15)) was melted in four types of blowing through the reduced metal in the ladle under atmosphere pressure: I. in the open, under vacuum; III. earlier treatment of non-reduced metal, and blowing less than 0.5% Si, in the ladle and reduction with ferrosilicon, and blowing less at the end of the process; IV. blowing through non-reduced metal, in the ladle under vacuum, with addition of ferrosilicon and aluminum at the end of blowing. Ferrosilicon was added in an amount to ensure 0.2% - 0.25% Si content in the metal, the amount of aluminum added was 0.5% - 0.7%. The pure argon gas contained 0.003 - 0.006 oxygen and maximum 1% nitrogen. The hydrogen content of the metal (both in reduced and non-reduced conditions) can most efficiently be removed when argon gas was blown through a resistive coil of wires of 10 - 12 mm mercury column in the vacuum chamber, with a blowing time of at least 5 min. A maximum reduction of the oxygen content can be obtained by blowing gas into the ladle through non-reduced metal under vacuum (IV), with regard to nonmetallic inclusions the best results are attained by versions III and IV. Some of the heats were entirely without spheroidal inclusions. The amount of oxygen and of impurities also depends on the degree of reduction of the slag, in view of the intensive mixing of metal and slag during blowing. The

Card 2/3

Blowing inert gases through the metal in ....

S. 133/62/100/009/1.03/1.09  
Argon Al2

steel silicon content (0.11-1.5) and the smallest number of oxide and spherical inclusions are ensured when argon is blown in amounts of 0.05 - 0.06 m<sup>3</sup>/ton, under vacuum, at remanent pressures of 15 - 30 mm Hg. The intense stirring of the metal caused by the argon gas blown into the ladle also causes a uniform distribution of silicon in the bottom part of the ladle and its complete absorption. There are 3 figures. The English-language reference is: Iron and Steel Engineer, 1959, v. 36, no. 9 (September), 192.

Card 3/3

CHUYKO, N.M.; PEREVYAZKO, A.T.; DANICHEK, R.Ye.; MOSHKOVICH, Ye.I.

Effect of the chemical composition of the metal and its content in  
nitrogen and oxygen on the electrical properties of E3 transformer  
steel. Nauch. trudy DMI no.51:3-16 '63. (MIRA 17:10)

BORISOV, B. I., kand.tekhn.nauk; P. V. DANIYEV, N.I., kand.tekhn.nauk; V. V. KARAVAYEV, T.M., kand.tekhn.nauk; TIKHONOV, A.V., kand.tekhn.nauk; Z. V. VASIL'EV, V. Ye., kand.tekhn.nauk; DANILOV, Ye.A., kand.tekhn.nauk; K. V. SGIN, N.P., kand.tekhn.nauk; VASYLYEV, V.P. (los. 1-1)

Training of engineers for work in industrial institutions of electric power systems. Prom.energ. 18 no. 7:35-41 Ag '63. (D.A. 10:9)

1. Ivanovskiy energeticheskiy institut imeni T.I. Lenina. (for Borisov, Motosbayev, Romanova, Troshin). 2. Chelyabinsk "mekhanicheskii" institut (for Tselakovskiy). 3. Dnepropetrovskiy metallurgicheskiy institut (for Danichek). 4. Gor'kovskiy gornyi - metallichnyy institut (for Karyagin). .

(Power engineering—Education and training)

DANICHEK, Ye.A.; TEVEROVSKIY, B.Z.

Utilizing the excess pressure of blast furnace gas. Stal'  
24 no.1:88 Ja '64. (MIRA 17:2)

1. Dnepropetrovskiy metallurgicheskiy institut.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

KOLOSOVA, Anna Yevmen'yevna, starshiy nauchnyy sotrudnik; BELYAYEV, Nikolay Iosifovich, inzhener lesnogo khozyaystva; DANICHEV, Mikhail Prokof'yevich, inzhener lesnogo khozyaystva; BAHANOV, N.I., redaktor; ARNOL'DOVA, K.S., redaktor izdatel'stva; KARASIK, N.P., tekhnicheskiy redaktor

[Use of enlarged small scale aerial photographs in forest mensuration work] Ispol'zovanie uvelichennykh melkomasshtabnykh aerofotominkov pri lesouchetnykh rabotakh. Moskva, Goslesbumizdat, 1956. 56 p. (MIRA 9:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut lesnogo khozyaystva  
(for Kolosova) 2. Leningradskiy otryad lesnoy aerofotos"emki  
(for Belyayev, Danichev)  
(Photography, Aerial) (Forests and forestry--Mensuration)

YUGOSLAVIA/Chemical Technology - Chemical Products and Their  
Applications - Fermentation Industries.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37785  
Author : Supica, M., Danicic, M.  
Inst : -  
Title : Characteristics of Italian Riesling Wine, Manufactured  
in Vojvodina.  
Orig Pub : Poljopr Vojvod., 1957, 5, No 7-8, 67-71  
  
Abstract : Twenty one specimens of Italian Riesling wine, produced  
in Vojvodina have been investigated. The specific gravity of the specimens ranged from 0.9891-0.9969. The wines contained 11.83-15.05% of alcohol by volume, or 93.4-118.8 grams/l. The total extract was 13.0-42.5, and sugar content was 1.4-9.6; titrated acids totaled 3.8-7.6, 0.36-1.0 of volatile acids and 3.3-6.9 of non-volatile acids were present, while the general acidity was 1.0-3.1. Following were the

Card 1/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001  
YUGOSLAVIA/Chemical Technology - Chemical Products and Their  
Applications - Fermentation Industries.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37785

weights (in mg/l): Ash (1.33-3.91), Phosphoric Acid ( $\text{PO}_4$ ) (0.25-0.8), Tannin (0-0.79), free  $\text{SO}_2$  (3.84-28.16), total  $\text{SO}_2$  (25.6-225.28). Alkalinity was 13.0-35.4 ml of normal NaOH and pH ranged from 2.91-3.68.

Card 2/2

**PHYSICAL / Chemical Technology: X-ray Diffraction  
and Their Applications. Part I: X-ray  
Diffraction**

ABSTRACTS OF LITERATURE, Vol. I, No. 3, p. 75.

at Mr. J. Daigle, N.

**Not**: Not given.  
**Role**: Effect of climate under the same present-  
ratified major climatic condition and  
quality of life of the people.

*Caris rub; folij o. r. velvete., lige, s, Fo 1, + 17.*

**Abstract:** In order to obtain a detailed knowledge of the structure and quality of a 100% agar containing 10% yeast extract medium for the bacterial differentiation of *Escherichia coli*, we have studied the growth, juice, after-fermentation and properties of *E. coli* strains isolated from the medium. It was demonstrated that *E. coli* strains isolated from the medium can be differentiated according to their ability to hydrolyze lactose.

... + 1/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001

Journal of the Royal Statistical Society, Series B, 1994

Abstract: The relationship between the amount of organic material in soil, the amount of mineralization, and the amount of available mineral nutrients is discussed. The results of a series of experiments on the decomposition of organic materials in soils are presented. The results show that the amount of available mineral nutrients is dependent upon the amount of organic material present in the soil, and that the amount of available mineral nutrients is also dependent upon the amount of mineralization.

Car 2/3

EXCERPTA MEDICA Sec.º Vol.11/4 Surgery

1972. DANICICO L., BRINZEU P., STEFANOVICI B., RUSSO I., BEJAN and  
BINEA M. Clin. I Chir., Timisoara. "Consideratii asupra extinderii  
indicatiei rezecciei si asupra inchiderii fara drenaj a cavitatii peritoneale  
in ulcerul perforat. Considerations on the extension of the  
indication of resection and on closure without drainage  
of the peritoneal cavity in the course of perforating  
ulcer. CHIRURGIA (Bucharest) 1955, 4/3 (3-10)

In the period 1949-1953, resection for perforating ulcers was performed in 82.2%  
of the cases, while suturing was limited to 17.8%. The over-all mortality was  
4.1% and only 3.3% for the resections. The indication for resection depends on the  
general condition and the age of the patient, on the age of the perforation, the  
local anatomical conditions and the amount of fluid spread in the peritoneal cavity.  
Resection for perforating ulcers diminishes the over-all mortality and reduces  
the operative risks and the complications of a new operation. The question of  
drainage is still very disputable. Douglas' drainage favours complications:  
eventrations, occlusions. The Soviet authors have reduced drainage from 32.4% to  
6.7%. Out of 60 cases of resected perforating ulcers, drainage was performed  
only in 52.6% of the cases, with good results in 13 days, without complications.  
Douglas's drainage was found to be useful and subhepatic drainage of very limited  
indication. Closure of the walls without drainage and under the protection of  
antibiotics favours the cure of the peritoneal infection, reduces the time of re-  
covery and protects the patient from late complications.

Theodorescu - Constantza

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

DANICICO, I., prof.; BUTARU, M.

Spontaneous internal biliary fistula. American Rev. no. 2; 66, 70  
Ap-Je '60.

(BILIARY FISTULA)

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

DANICICO, I., prof. dr.; BULBUCA, I., conf. dr.

Reflections on the International Congress of Oncology in Moscow.  
Studii cerc biochimie 6 nr.1:149-160 '63.

1. Institutul medico-farmaceutic, Timisoara.

X

ZALUD, Jiri; DANICKOVA, Helena; POKORNY, Jan

Stabilizing nonsaturated fat acids by transforming them into carbamide complex compounds. Prum potravin 13 no.12:640-661 D '62.

1. Severočeské cukrovaří a závody, n.p., Ústí nad Labem (for Zalud and Danickova). 2. Vysoká škola chemicko-technologická, fakulta potravinářské technologie, Praha.

KVASNICKA, Jiri; KVASNICKOVA, Eva; GROH, Jindrich; DANICKOVA, Zdena;  
BARTOS, Vladimir; ERBEN, Josef. Techn. spoluprace VAVROVA, Eva.

Mineral and water changes during the aging process. I. Methods  
of determination of minerals in erythrocytes. Normal values.  
Differences between the normal values in women and men. Sborn.  
ved. prac. fak. Karlovy Univ. Čas. 1:361-374 '64.

Mineral and water changes during the aging process. II. Mineral  
and water changes in erythrocytes in different age groups.  
Ibid. 375-381

1. I. interni klinika (prednostar prof. MUDr. F. Cernik)  
Karlovy University v Hradci Kralove.

DANIEC, Alfred

Old salt mining. Przegl geol 9 no.6:313-315 Je '61.

(Poland--Salt mines and mining)

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001109

ANALYST, ANALYST, TECHNICAL ANALYST

MANAGER, MANAGER, MANAGER, MANAGER,  
MANAGER, MANAGER, MANAGER, MANAGER

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001109

Poland /Chemical Technology. Chemical Products  
and Their Application

I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31830

Author : Daniec Eugeniusz, Naczynski Jerzy

Title : Purification of Gas to Remove Naphthalene

Orig Pub: Koks, smola, gaz, 1956, 1, No 3, 107-113

Abstract: A review of the current methods of purification  
of gases of coking plants and gas works to remove  
naphthalene (including the methods disclosed in  
a number of patents), and also of the procedures  
used to remove naphthalene from pipe lines. The  
inadequate technological level of naphthalene  
removal in Czechoslovakia and Poland is noted,  
and also the necessity of improving the methods

Card 1/2

Poland /Chemical Technology. Chemical Products  
and Their Application

I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31830

of naphthalene removal from gases, and adopting these methods in practice. Bibliography 31 references.

Card 2/2

DANIEC, E.

✓ 1908. REGENERATION OF TETRALIN USED FOR NAPHTHALENE REVIVAL FROM COKE  
OVEN GAS. Daniec, E. and Kaczynski, J. (Gaz, Woda, Tech. Energet. (Gas,  
Water, Sanit. Engrg., Warsaw), Jan. 1956, vol. 30, 2-6; abstr. In Ass. tech.  
Industr. Gén. France Cire. bibliogr., 15 Apr. 1956, (4), 8). Tetralin can be  
regenerated and the dissolved naphthalene recovered by fractional distillation  
and condensation. Industrial scale tests have shown regeneration to be  
economical.

2

POLAND, E' GAZ, 1958

POLAND/Chemical Technology, Chemical Products and their  
Applications, Part 3. - Treatment of Solid Combustible  
Minerals.

H-22

Abs Jour: Referat. zhurnal Khimiya, No 10, 1958, 337-39.

Author : Eugeniusz Daniec, Jerzy Naczynski, Hanna Regulska.

Inst : Not given.

Title : Removal of Naphthalene Deposits from Gas Piping with  
Solvents.

Orig Pub: Gaz, woda, techn. sanit., 1957, 31, No 8, 287-293.

Abstract: It was shown by laboratory experiments and at work  
that a mixture of solvent naphtha with tricresol in the  
proportion of 9 : 1 replaced tetralin completely in  
recovering naphthalene (N) from a gas flow, as well as  
at the removal of N deposits from the inside surface  
of pipes. It is recommended to introduce the mixture

Card : 1/2

POLAND/Chemic 1 Technol. Chem. Inst. Inst. of Auto. and  
Thermal Eng. Inst. III. Chemic I. Inst. of Eng.  
S 14. Fuel Fuels.

Abt. Jaw : R. I. Zbli-Khiniy , 17, 197, 51-12

Author : Daniec E., Dr Szczepanski, J., Czerniak, J.

Title :

Inst. : Institute of Chemical Technology Warsaw.

Ref. Pub : Gaz, wod, techn. chemic., 1977, 31, 1-11,  
66-172

Abstract : A survey of primitive views for gas  
burners of municipal and industrial uses  
and its various materials was presented.  
The devices automatically stop working  
upon extinction of the flame. A possibility  
of construction of similar instruments using

Card : 1/2

65

L 38736-66

ACC NR: AP6017947

SOURCE CODE: P0/0097/65/OC6/003/0295/0314

AUTHOR: Danicki, E. (Warsaw); Kaliski, S. (Warsaw); Podolak, K. (Warsaw)

ORG: Department of vibrations, IBTP, Polish Academy of Sciences

TITLE: Concerning a paradox in self-excited vibrations of damped systems with traveling waves

SOURCE: Proceedings of vibration problems, v. 6, no. 3, 1965, 295-314

TOPIC TAGS: self excited vibration, vibration damping, vibration analysis, traveling wave, traveling wave tube, nonlinear vibration

ABSTRACT: The author studies self-excited vibrations of damped systems with traveling waves and analyzes problems such as the motion stability of a set of oscillators along a beam resting on an elastic foundation and the vibration of infinite plates and shells. The results are of a more general character and bear upon other problems, including that of a traveling-wave tube. It is shown that damping causes essential changes in the configurations of the instability region and in the critical parameters. If damping tends to zero, the continuity of the critical parameters relation to systems with no damping is no longer preserved. Arbitrarily small damping results in a finite change. This phenomenon thus appears as a sort of physical paradox. The author shows that the paradox is caused by treatment of the problem as a stationary

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one, which can be explained away by considering self-excited vibration as a non-stationary process, in which the continuity of the values of critical parameters is maintained if damping tends to zero. Then the dependency of the critical parameters of self-excited vibration on the degree of damping will always be continuous, and the paradox no longer arises. Depending on the choice of an approximate definition of a stationary process, it is shown that the same critical parameters obtained for infinite systems with traveling waves and small damping, can also be applied to a stationary process with no damping. Orig. art. has: 14 figures and 42 formulas. [GC]

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